



U.S. ENVIRONMENTAL PROTECTION AGENCY REGION IV

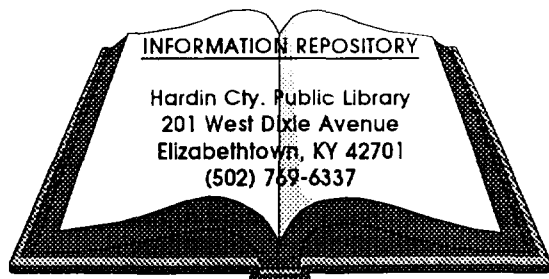
INFORMATION UPDATE: HOWE VALLEY LANDFILL SUPERFUND SITE HARDIN COUNTY, KENTUCKY

EXPLANATION OF SIGNIFICANT DIFFERENCES

AUGUST 1995

INTRODUCTION

This Explanation of Significant Differences is being issued by the U.S. Environmental Protection Agency (EPA) to inform concerned citizens about cleanup activities performed at the Howe Valley Landfill Superfund Site (the site), and about proposed changes in two components of the cleanup remedy. An ESD is published when there is a significant change in the remedy, and the proposed change does not fundamentally alter the remedy with respect to scope, performance, or cost. The cleanup remedy was selected by EPA after a public meeting and comment period in September 1990. The cleanup remedy is described in an EPA document called the Record of Decision (ROD), and it is located in the Information Repository for public review.



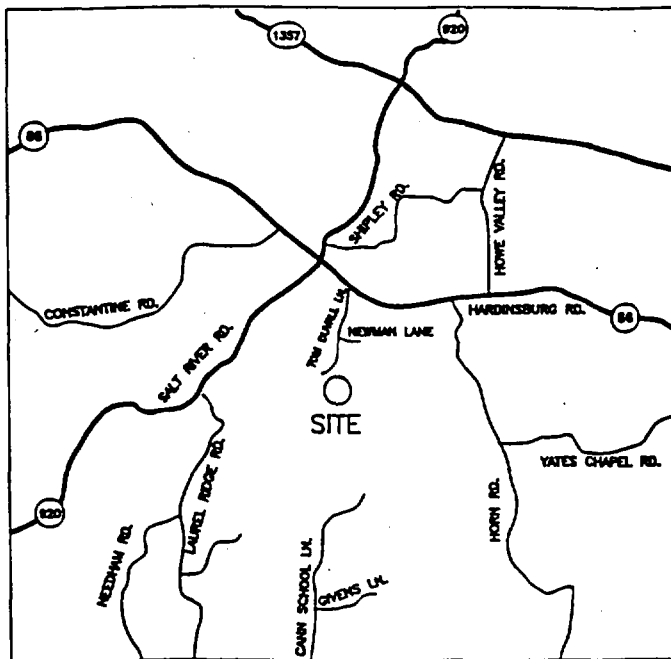
SITE SUMMARY AND THE SELECTED REMEDY

The sparsely vegetated, eleven (11) acre Howe Valley Landfill site is situated at the end of Tom Duvall Lane, approximately 1.4 miles south of State Road 86 near the towns of Cecilia and Vertrees, in Hardin County Kentucky (see Figure 1). The nearest community is the unincorporated area of Howe Valley.

Beginning in 1967, Kentucky Industrial Services, Inc., used the Howe Valley site as an industrial waste landfill. The landfill operated under the State-issued solid waste permit until June 1976, when the site officially closed.

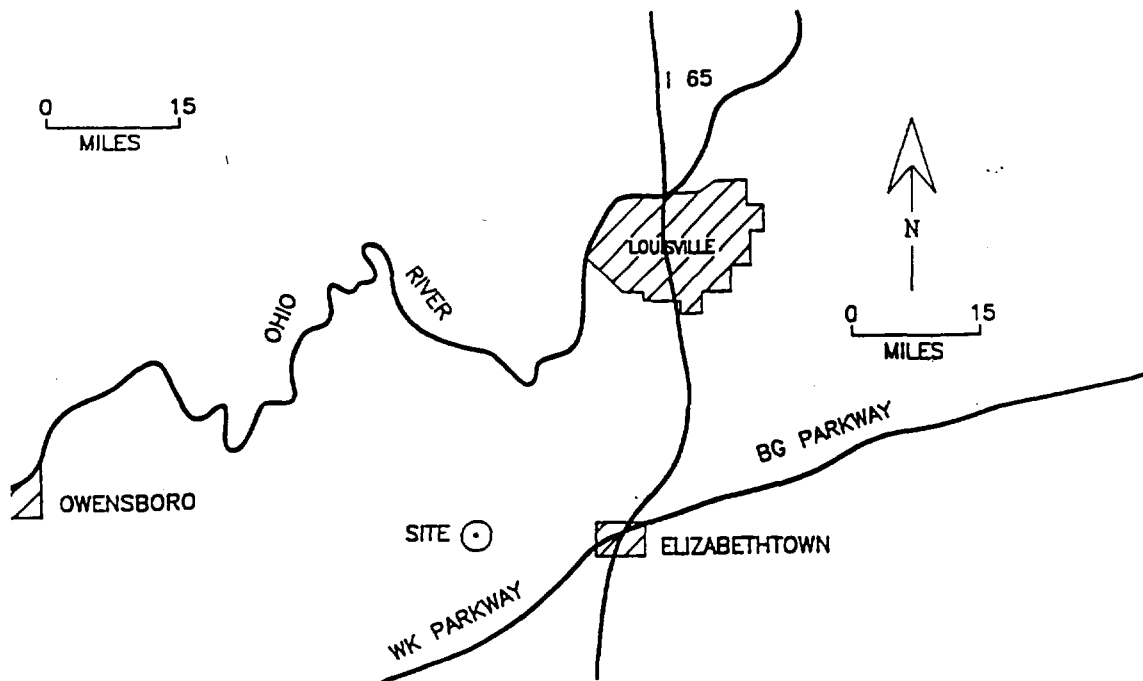
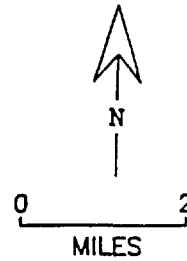
In 1988, the bulk of the buried wastes and highly contaminated soil was removed and disposed of at an approved hazardous waste landfill. In September 1990, EPA issued the ROD describing the selected remedy, which included the following:

1. Excavation and off-site disposal of inorganic (metals) contaminated soil.
2. Excavation and on-site treatment of surface soil contaminated with volatile organic compounds;



SOURCE: HARDIN CO. ROAD MAP

ELIZABETHTOWN 10 MILES



SHIELD
ENVIRONMENTAL ASSOCIATES, INC.
LEWISTON, KENTUCKY

FIGURE 1: SITE LOCATION MAP

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3. Five years of quarterly monitoring of Boutwell Spring and any additional springs or wells that lay along the ground water conduit between Boutwell Spring and the site;

4. Placement of restrictions on the property deed to limit the usage of the site and its associated ground water.

These final cleanup actions were conducted between November 1991 and July 1994. In addition to the actions required in the ROD, other cleanup activities were conducted to address unexpected site conditions. These additional cleanup actions included the following:

Locate and remove drums of buried waste and additional contaminated soil remaining on-site.

2. Collect and treat contaminated storm water and an organic liquid found in the bedrock.

Because of unexpected conditions found at the site, the scope of the original cleanup plan doubled. Many of the additional cleanup activities were outlined in an Explanation of Significant Differences published in March 1993.

DESCRIPTION OF SIGNIFICANT DIFFERENCES AND BASIS FOR THE DIFFERENCES

All of the cleanup activities described in the ROD were completed. Throughout the cleanup of the site, samples of Boutwell Spring were collected to determine if the activities at the site were

releasing contaminants to the groundwater and ultimately to Boutwell Spring. The samples showed that contaminants were not being released from the site via Boutwell Spring. After the cleanup activities were completed, two additional quarterly samples were collected from Boutwell Spring. These samples confirmed that no site related contaminants were found in the spring.

Furthermore, EPA has determined that the cleanup activities have attained the cleanup objectives outlined in the ROD, and that no hazardous substances, pollutants, or contaminants remain on-site exceeding concentrations that will restrict unlimited use of the site or threaten human health through unlimited exposure.

Based on the sampling results obtained from Boutwell Spring, and on the extensive cleanup work completed at the site, EPA proposes to eliminate the following two requirements outlined in the Record of Decision:

1. Five years of quarterly monitoring of Boutwell Spring and any additional springs or wells that lay along the ground water conduit between Boutwell Spring and the site;

2. Placement of restrictions on the property deed to limit the usage of the site and its associated ground water.

Additional information regarding the significant differences and the basis for such differences is contained in the Administrative Record.

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SUPPORT AGENCY COMMENTS

As the support agency for this response action, the Kentucky Natural Resources and Environmental Protection Cabinet (KNREPC) has reviewed the information contained in this document and agrees with the changes made to the selected remedy.

PUBLIC PARTICIPATION ACTIVITIES

This document along with a notice in a major local newspaper provides public notice of the ESD, including the reasons for such differences.

This ESD is issued by the EPA, the lead agency for site activities, and the Kentucky Natural Resources and Environmental Protection Cabinet (KNREPC), the support agency for this response action. This document will become part of the administrative record file (a copy of which can be found in the Information Repository), and it is issued as part of the public participation responsibilities under Section 117(c) of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended by the Superfund Amendments and Reauthorization Act of 1986 (SARA) and the National Oil and Hazardous Substances Pollution Contingency Plan (NCP), 40 C.F.R. Section 300.435(c)(2)(1).

Supporting information is included in the Administrative Record, located at the Hardin County Public Library. Comments or questions on this issue should be mailed to Nestor Young at the address shown below. For further information please contact Nestor Young, Remedial Project Manager, or Cindy Gibson, Community Relations Coordinator, 1-800-435-9233 or at the following address:

U.S. Environmental Protection Agency, Region 4
North Superfund Remedial Branch
345 Courtland Street, N.E.
Atlanta, GA 30365.



Richard D. Green, Associate Director
Office of Superfund and Emergency Response
Waste Management Division
U.S. EPA Region IV

AFFIRMATION OF THE STATUTORY DETERMINATIONS

Considering the data collected from Boutwell Spring and the extensive work completed, the EPA and the Commonwealth of Kentucky believe that the remedy, as set forth in the ROD and modified by this document, remains protective of human health and the environment, complies with Federal and State requirements that are applicable or relevant and appropriate to this remedial action, and is cost effective.

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Date